

ABSTRACT OF THE DISCLOSURE

The present invention provides a photo-alignment layer for a liquid crystal display device, which has good liquid crystal display device characteristics such as a good voltage holding ratio and also has good alignment stability and sufficient resistance to light and heat. The photo-alignment layer is manufactured by coating a polymerizable monomer having at least one photo-alignment moiety, which carries out a photo-alignment function by the photo dimerization reaction, and at least two polymerizable maleimide groups per molecule on a substrate, and exposing the coating layer to light to cause the photo dimerization reaction of the structural unit and the photopolymerization reaction of the polymerizable maleimide group, thereby to form a crosslinked polymeric layer and to enable the polymeric layer to carry out the photo-alignment function.

09035750-082404
FOI b6 b7C